



**FORTINET**

# QuickStart Guide

FortiSwitch 110G-FPOE

FS-110G-FPOE



# The Essentials

## Secure your Network

Register at <https://support.fortinet.com> for the latest threat protection updates

### GUI

- 1 Connect Port 1 to an Ethernet port or USB-RJ45 adapter on your computer using an Ethernet cable (not included)
- 2 Open a browser to <https://192.168.1.99>

### CLI

- 1 Connect the provided console cable to the Console Port
- 2 Open a Terminal app using 115200-8-N-1

## Default Logins



<https://192.168.1.99>  
Username: **admin**  
Password: **leave blank**



<https://fortilan.forticloud.com>  
Username: **user-defined**  
Password: **user-defined**

## Fortinet Documents Library

For getting started documentation admin guides, up-to-date hardware manuals and reference resources, visit <https://docs.fortinet.com/>

## FortiLAN Cloud

Experience simplified cloud provisioning, zero touch deployment, configuration management and reporting at <https://fortilan.forticloud.com>





# Package Contents

## FortiSwitch 110G-FPOE

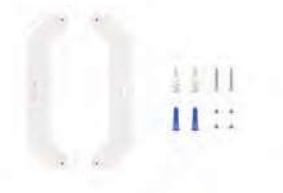
FS-110G-FPOE



1x FortiSwitch Device



1x QuickStart Guide



1x Wallmount Kit  
(2x Brackets, 4x Chassis Screws,  
4x Anchors, 2x Wall Screws )



1x ACDC Power Adapter  
1x AC Power Cable



2x Rackmount Brackets,  
6x Screws

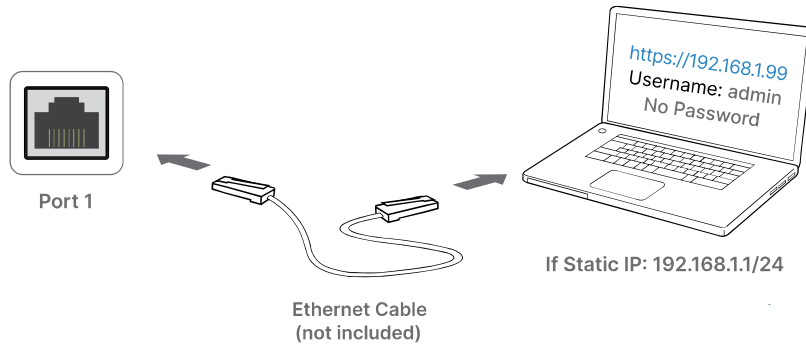


4x Rubber Feet

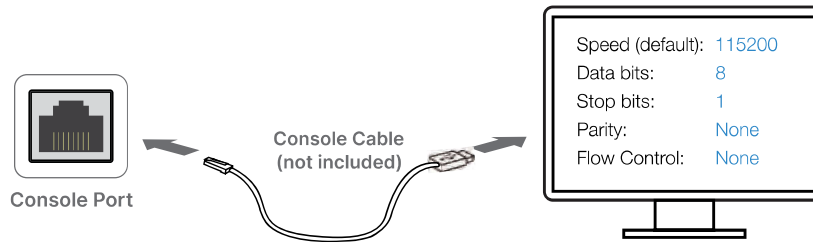


# Setup

## GUI

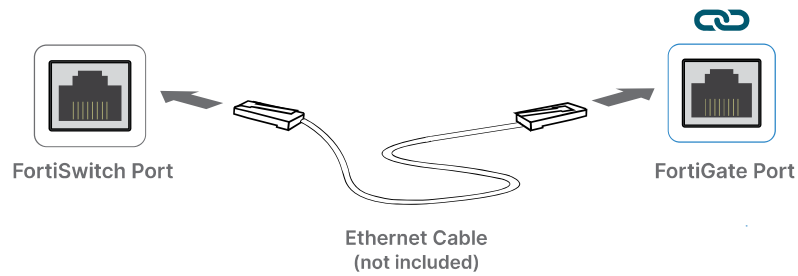


## CLI





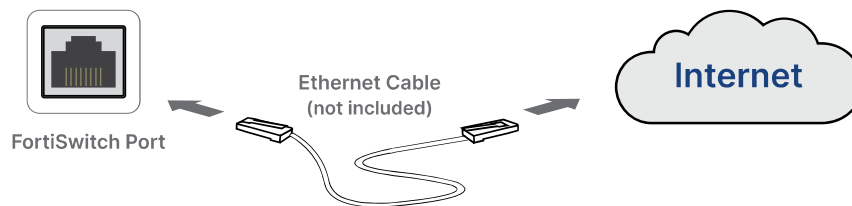
## FortiLink



- 1 Login to the FortiGate and go to **WiFi & Switch Controller -> FortiLink Interface**
- 2 Add a **FortiGate Port** in the FortiLink interface
- 3 When the device is discovered, select **Authorize**

**Optional:** To automatically authorize the device upon discovery, enable **Automatically authorize devices** in the FortiLink Interface settings

## FortiLAN Cloud



- 1 Visit <https://support.fortinet.com> for registration and cloud management license
- 2 Sign in at <https://fortilan.forticloud.com> to manage your Inventory List





## WallMount

- 1 Secure the brackets using the provided screws
- 2 Mark the anchor locations



- 3 Install the anchors and screws, then lock the device in place





## RackMount

- 1 Secure the ears using the provided screws

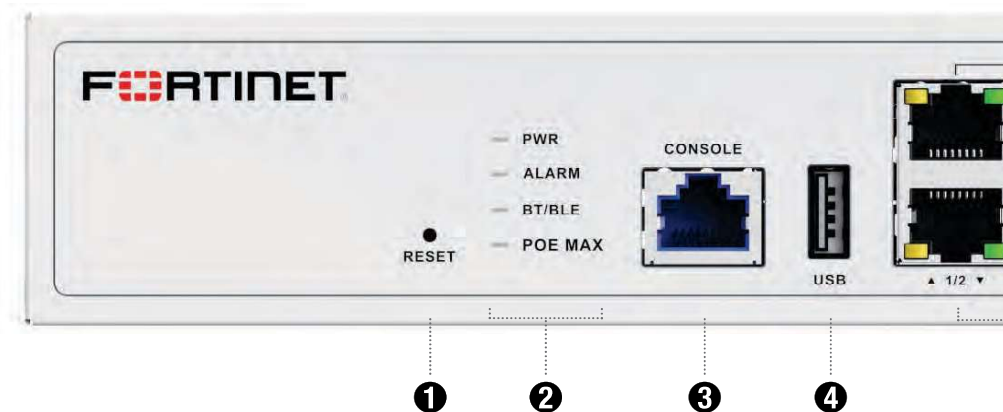


- 2 Install in a rack using the provided screws





## Front FS-110G-FPOE



**1** **RESET** Press and hold (>10secs) until the device reboots and restores factory settings

**2** **PWR**  
■ **Green:** Device is on  
■ **Off:** Device is off

**ALARM**  
■ **Amber:** Fault detected  
■ **Off:** No fault detected

**BT/BLE** (for future use)  
■ **Blue:** Bluetooth on  
■ **Off:** Bluetooth off

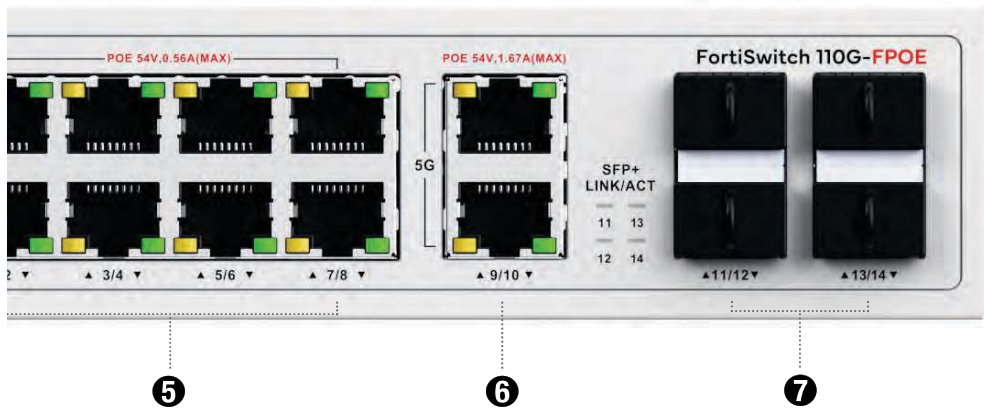
**POE MAX (up to 200W)**  
■ **Amber:** Max PoE power reached  
■ **Off:** PoE power available

**3** **CONSOLE Port (RJ-45)** CLI management

**4** **USB 2.0 Port (USB-A)** for future use







**5** Ports 1 to 8 (RJ-45) PoE/PoE+

Left LED

- **Amber:** Supplying PoE
- **Off:** Not supplying PoE

Right LED

- **Blue:** 2.5 Gbps connection
- ▣ **Flashing Blue:** 2.5 Gbps data activity
- **Green:** 1000/100/10 Mbps connection
- ▣ **Flashing Green:** 1000/100/10 Mbps data activity
- **Off:** Not connected

**6** Ports 9 to 10 (RJ-45) PoE++

Left LED

- **Amber:** Supplying PoE
- **Off:** Not supplying PoE

Right LED

- **Blue:** 5/2.5 Gbps connection
- ▣ **Flashing Blue:** 5/2.5 Gbps data activity
- **Green:** 1 Gbps/100 Mbps connection
- ▣ **Flashing Green:** 1000/100 Mbps data activity
- **Off:** Not connected

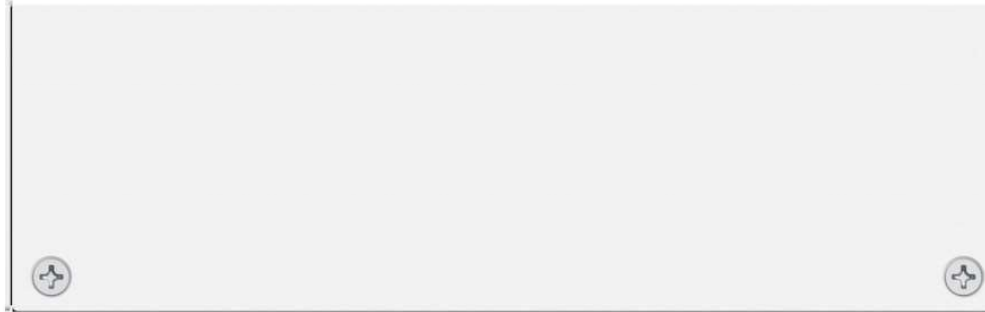
**7** Ports 11 to 14 (SFP+)

Link/Activity

- **Blue:** 10 Gbps connected
- ▣ **Flashing Blue:** 10 Gbps data activity
- **Green:** 1 Gbps/100Mbps connected
- ▣ **Flashing Green:** 1 Gbps/100Mbps data activity
- **Off:** Not connected



## Rear FS-110G-FPOE



- 1 Power Input 54V DC, 100-240V AC, 4.6A, 50/60Hz adapter





1





## Cautions and Warnings

### Environmental specifications

Ambient operating temperature: 0°C to 45°C

Rack Mount Instructions - The following or similar rack-mount instructions are included with the installation instructions:  
Instructions de montage en rack - Les instructions de montage en rack suivantes ou similaires sont incluses avec les instructions d'installation:

**Elevated Operating Ambient** - If installed in a closed or multi-unit rack assembly, the operating ambient temperature of the rack environment may be greater than room ambient. Therefore, consideration should be given to installing the equipment in an environment compatible with the maximum ambient temperature (T<sub>ma</sub>) specified by the manufacturer.

**Température ambiante élevée** - S'il est installé dans un rack fermé ou à unités multiples, la température ambiante de fonctionnement de l'environnement du rack peut être supérieure à la température ambiante de la pièce. Par conséquent, il est important d'installer le matériel dans un environnement respectant la température ambiante maximale (T<sub>ma</sub>) stipulée par le fabricant.

**Reduced Air Flow** - Installation of the equipment in a rack should be such that the amount of air flow required for safe operation of the equipment is not compromised.

**Ventilation réduite** - Installation de l'équipement dans un rack doit être telle que la quantité de flux d'air nécessaire au bon fonctionnement de l'équipement n'est pas compromise.

**Mechanical Loading** - Mounting of the equipment in the rack should be such that a hazardous condition is not achieved due to uneven mechanical loading.

**Chargement Mécanique** - Montage de l'équipement dans le rack doit être telle qu'une situation dangereuse n'est pas liée à un chargement mécanique inégal.

**Circuit Overloading** - Consideration should be given to the connection of the equipment to the supply circuit and the effect that overloading of the circuits might have on overcurrent protection and supply wiring. Appropriate consideration of equipment nameplate ratings should be used when addressing this concern.

**Surtenion** - Il convient de prendre l'ensemble des précautions nécessaires lors du branchement de l'équipement au circuit d'alimentation et être particulièrement attentif aux effets de la suralimentation sur le dispositif assurant une protection contre les courts-circuits et le câblage. Ainsi, il est recommandé de tenir compte du numéro d'identification de l'équipement.

**Reliable Earthing** - Reliable earthing of rack-mounted equipment should be maintained. Particular attention should be given to supply connections other than direct connections to the branch circuit (e.g. use of power strips).

**Fiabilité de la mise à la terre** - Fiabilité de la mise à la terre de l'équipement monté en rack doit être maintenue. Une attention particulière devrait être accordée aux connexions d'alimentation autres que les connexions directes au circuit de dérivation (par exemple de l'utilisation de bandes de puissance).

Refer to specific Product Model Data Sheet for Environmental Specifications (Operating Temperature, Storage Temperature, Humidity, and Altitude)  
Référez à la Fiche Technique de ce produit pour les caractéristiques environnementales (Température de fonctionnement, température de stockage, humidité et l'altitude).

### Safety

**Battery** - Risk of explosion if the battery is replaced by an incorrect type. Do not dispose of batteries in a fire. They may explode. Dispose of used batteries according to your local regulations. IMPORTANT: Switzerland: Annex 4.10 of SRB14.013 applies to batteries.

**Batterie** - Risque d'explosion si la batterie est remplacée par un type incorrect. Ne jetez pas les batteries au feu. Ils peuvent exploser. Jetez les piles usagées conformément aux réglementations locales. IMPORTANT: Suisse: l'annexe 4.10 de SRB14.013 s'appliquent aux batteries.

警告  
本電池如果更換不正確會有爆炸的危險  
請依製造商說明書處理用過之電池

#### CAUTION:

There is a danger of explosion if a battery is incorrect replaced. Replace only with the same or equivalent type.  
Dispose batteries of according to the manufacturer's instructions.  
Disposing a battery into fire, a hot oven, mechanically crushing, or cutting it can result in an explosion.  
Leaving a battery in an extremely hot environment can result in leakage of flammable liquid, gas, or an explosion.  
If a battery is subjected to extremely low air pressure, it may result in leakage of flammable liquid, gas, or an explosion.

#### WARNING:

Lithium-Batterie Achtung: Explosionsgefahr bei fehlerhafter Batteriewechsel. Ersetzen Sie nur den gleichen oder gleichwertigen Typ. Batterien gemäß den Anweisungen des Herstellers entsorgen.  
Beseitigung einer BATTERIE in Feuer oder einen heißen Ofen oder mechanisches Zerkleinern oder Schneiden einer BATTERIE, die zu einer EXPLOSION führen kann  
Verlassen einer BATTERIE in einer extrem hohen Umgebungstemperatur, die zu einer EXPLOSION oder zum Austreten von brennbarer Flüssigkeit oder Gas führen kann  
Eine BATTERIE, die einem extrem niedrigen Luftdruck ausgesetzt ist, der zu einer EXPLOSION oder zum Austreten von brennbarer Flüssigkeit oder Gas führen kann.

**Caution:** This equipment is to be used in a Network Environment 0 per IEC/EN 62101. This product is connected only to PoE networks without routing to the outside plant.

**Attention:** Ce matériel doit être utilisé dans un Environnement Réseau 0 par IEC/EN 62101. Ce produit est uniquement connecté aux réseaux PoE sans installation externe de routage.

**Grounding** - To prevent damage to your equipment, connections that enter from outside the building should pass through a lightning / surge protector, and be properly grounded. Use an electrostatic discharge workstation (ESD) and/or wear an anti-static wrist strap while you work. In addition to the grounding terminal of the plug, on the back panel, there is another, separate terminal for earthing.

**Mise à la terre** - Pour éviter d'endommager votre matériel, assurez-vous que les branchements qui entrent à partir de l'extérieur du bâtiment passent par un parafoudre / parasurtenseur et sont correctement mis à la terre. Utilisez un poste de travail de décharge électrostatique (ESD) et / ou portez un bracelet anti-statique lorsque vous travaillez. Ce produit possède une borne de mise à la terre qui est prévu à l'arrière du produit, à ceci s'ajoute la mise à la terre de la prise.





This product has a separate protective earthing terminal provided on the back of the product in addition to the grounding terminal of the attachment plug. This separate protective earthing terminal must be permanently connected to earth with a green with yellow stripe conductor minimum size # 18AWG and the connection is to be installed by a qualified service personnel.  
 Ce produit a une borne de mise à la terre séparée sur le dos de l'appareil, en plus de la borne de mise à la terre de la fiche de raccordement. Cette borne de mise à la terre séparée doit être connectée en permanence à la terre avec un conducteur vert avec la taille bande jaune de minimum # 18AWG et la connexion doit être installée par un personnel qualifié.

This product is intended to be supplied by a Listed pluggable A via Class I external power supply adapter by means of a power cord connected to a socket-outlet with earthing connection.  
 Ce produit est destiné à être alimenté par un adaptateur d'alimentation externe de classe I par l'intermédiaire d'un cordon d'alimentation enfichable de classe A qui doit être branché à une prise de courant avec terre.

## Regulatory Notices

### Federal Communication Commission (FCC) – USA

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) this device may not cause harmful interference, and
- (2) this device must accept any interference received; including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy, and if it is not installed and used in accordance with the instruction manual, it may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference, in which case the user will be required to correct the interference at his own expense.

**WARNING:** Any changes or modifications to this product not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

### Industry Canada Equipment Standard for Digital Equipment (ICES) – Canada

CAN ICES-003 (A) / NMB-003 (A)

This digital apparatus does not exceed the Class A limits for radio noise emissions from digital apparatus set out in the Radio Interference Regulations of the Canadian Department of Communications.

Cet appareil numérique n'émet pas de bruits radioélectriques dépassant les limites applicables aux appareils numériques de la classe A prescrites dans le Règlement sur le brouillage radioélectrique édicté par le ministère des Communications du Canada.

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

1. This device may not cause interference.
2. This device must accept any interference, including interference that may cause undesired operation of the device.

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:

1. L'appareil ne doit pas produire de brouillage;
2. L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

This equipment complies with ISED radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

Cet équipement est conforme aux limites d'exposition aux rayonnements ISED établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec un minimum de 20cm de distance entre la source de rayonnement et votre corps.

This radio transmitter (IC: 7280B-240605) has been approved by ISED to operate with the antenna types listed below with the maximum permissible gain and required antenna impedance for each antenna type indicated. Antenna types not included in this list, having a gain greater than the maximum gain indicated for that type, are strictly prohibited for use with this device.

Le présent émetteur radio (IC: 7280B-240605) a été approuvé par ISED pour fonctionner avec les types d'antenne énumérés ci-dessous et ayant un gain admissible maximal et l'impédance requise pour chaque type d'antenne. Les types d'antenne non inclus dans cette liste, ou dont le gain est supérieur au gain maximal indiqué, sont strictement interdits pour l'exploitation de l'émetteur.

This device and its antennas(s) must not be co-located or operating in conjunction with any other antenna or transmitter except in accordance with IC multi-transmitter product procedures.

Cet appareil et son antenne (s) ne doit pas être co-localisés ou fonctionner en association avec une autre antenne ou transmetteur.

Antenna No.	Antenna Type	Connector	Antenna Peak Gain	Network
1	PIFA	IPEX	2.0 dBi	Bluetooth





## European Conformity (CE) - EU

This is a Class A product. In a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures.



The product transmits within the frequency ranges and less than or equal to the power listed below:  
2402-2480MHz less than 20dBm

This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

## Simplified EU Declaration of Conformity

This declaration is only valid for Fortinet products (including, combinations of software, firmware and hardware) provided by Fortinet or Fortinet's authorized partners to the end customer directly for use within the EU or countries that have implemented the EU Directives and/or spectrum regulation. Any Fortinet products not obtained directly from Fortinet or Fortinet's authorized partners may not comply with EU Directives and Fortinet makes no assurances for such products.

### Български

Този продукт е в съответствие с Директива 2014/53/ЕС.

### Česky

Tento produkt je v souladu se směrnici 2014/53/EU.

### Dansk

Denne produkt er i overensstemmelse med direktiv 2014/53/EU.

### Deutsch

Dieses Produkt entspricht der Richtlinie 2014/53/EU.

### Eesti

See toode vastab direktiivile 2014/53/EL.

### English

This product is in compliance with Directive 2014/53/EU.

### Español

Este producto cumple con la Directiva 2014/53/UE.

### Ελληνική

Το προϊόν αυτό συμμορφώνεται με την Οδηγία 2014/53/ΕΕ.

### Français

Ce produit est conforme à la Directive 2014/53/UE.

### Hrvatski

Ovaj proizvod je u skladu s Direktivom 2014/53/EU.

### Italiano

Questo prodotto è conforme alla Direttiva 2014/53/UE.

### Latviski

Šis produkts atbilst Direktīvai 2014/53/EU.

### Lietuvių

Šis gaminys atitinka direktyvą 2014/53/ES.

### Malti

Dan il-prodott huwa konformi mad-Direttiva 2014/53/UE.

### Magyar

Ez za termék megfelel a 2014/53/EU irányelvnek.

### Nederlands

Dit product is in overeenstemming met Richtlijn 2014/53/EU.

### Norsk

Denne produktet er i samsvar med direktiv 2014/53/EU.

### Polski

Ten produkt jest zgodny z dyrektywą 2014/53/UE.

### Português

Este produto está em conformidade com a Diretiva 2014/53/UE.

### Rumunski

Acest produs este în conformitate cu Directiva 2014/53/UE.

### Slovensky

Tento produkt je v súlade so smernicou 2014/53/EÚ.

### Slovensko

Ta izdelek je v skladu z Direktivo 2014/53/EU.

### Suomi

Tämä tuote on direktiivin 2014/53/EU mukainen.

### Svenska

Denna produkt överensstämmer med direktiv 2014/53/EU.





## UK Conformity Assessed (UKCA) – United Kingdom

The product transmits within the frequency ranges and less than or equal to the power listed below:  
2402-2480MHz less than 20dBm

This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

This product is in compliance with **Statutory Instrument 1206 Radio Equipment Regulations 2017**

The full Declaration of Conformity for this product is available in the link below:  
<https://site.fortinet.com/ProductRegulatory/UK>

## Voluntary Control Council for Interference (VCCI) – Japan

この装置は、クラスA機器です。この装置を住宅環境で使用すると電波妨害を引き起こすことがあります。この場合には使用者が適切な対策を講ずるよう要求されることがあります。

VCCI-A

## Product Safety Electrical Appliance & Material (PSE) – Japan

日本では電気用品安全法(PSE)の規定により、同梱している電源コードは本製品の専用電源コードとして利用し、他の製品に使用しないでください。

## Bureau of Standards Metrology and Inspection (BSMI) – Taiwan

The presence conditions of the restricted substance (BSMI RoHS table) are available at the link below:  
限用物質含有情況表 (RoHS Table) 請到以下 網址下載:  
<https://www.fortinet.com/bsmi>

警告： 為避免電磁干擾，本產品不應安裝或用於住宅環境

請仔細閱讀以下說明

本設備勿置於潮濕處。  
連接至電源前，請先檢查電壓。  
當設備不用時，請將所有電源線拔除，避免電壓不穩而造成傷害。  
勿將任何液體灑入設備中，避免線路短路。  
基於安全理由，只有受到專業訓練的從業人員，才可以打開本設備。  
請勿自行調整或修理已通電的設備，以確保您的安全。  
如不小心受傷，請立刻找急救人員給予您適當的救護，千萬別因傷勢輕微而忽略自己的傷勢。

請依照台灣法規處置電池。  
若不正确替換電池可能導致爆炸危險，替換電池時，請使用設備生產商推薦使用的電池。  
請勿拆卸、刺穿或以其他方式損壞電池。

雷射設備非用戶維修設備，請與生產商聯繫維修事宜。

英屬蓋曼群島商防特網股份有限公司台灣分公司  
地址：台北市內湖區行愛路176號2樓  
電話：(02) 27961666

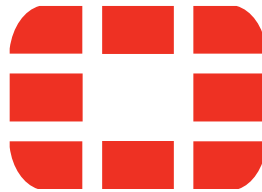
## National Telecommunications Commission (NCC) – Taiwan

NCC警語  
取得審驗證明之低功率射頻器材，非經核准，公司、商號或使用者均不得擅自變更頻率、加大功率或變更原設計之特性及功能。低功率射頻器材之使用不得影響飛航安全及干擾合法通信；經發現有干擾現象時，應立即停用，並改善至無干擾時方得繼續使用。前述合法通信，指依電信管理法規規定作業之無線電通信。低功率射頻器材須忍受合法通信或工業、科學及醫療用電波輻射性電機設備之干擾。

## China

警告：在居住环境中，运行此设备可能会造成无线电干扰。





June 20, 2024

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